

Claims

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B₂

1. An acidified beverage with stabilized sweeteners and extended shelf life comprising:

5 (a) water;

(b) an edible acid component present in an amount suitable to maintain the pH of the beverage in the range of from about 3 up to less than about 6;

10 (c) at least one high intensity peptide sweetener; and

(d) a soluble non-digestible oligosaccharide which undergoes significant hydrolysis within about 4 weeks at ambient conditions within the aforesaid pH range and the hydrolyzed units of which contribute substantially stabilized sweetness to said beverage over time.

by show? bacteria may digest but not humans?

Soluble

2. The beverage according to Claim 1, wherein said acid component maintains the pH of the beverage in the range of from about 3 to about 3.5.

20 3. The beverage according to Claim 1, wherein said acid component maintains the pH of the beverage in the range of from about 3 to about 3.25.

4. The beverage according to Claim 1, wherein said acid component comprises phosphoric acid.

25 5. ~~The beverage according to Claim 4, wherein said acid component comprises citric acid.~~

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6. The beverage according to Claim 1, wherein said acid component comprises citric acid.
7. The beverage according to Claim 1, wherein said acid component comprises malic acid.

8. The beverage according to Claim 1, wherein said oligosaccharide comprises hexose or pentose monosaccharide units. *xylose, arabinose*

Fructose is a
hexose

hexose or pentose monosaccharide units. *xylase, arabinosyl* \rightarrow *pp 5 spec.*

xylose or pentose monosaccharide units. xylose, arabinose → pp. 5 spec.
 ↳ furanosides & pyranosides (pp. 4 spec), i.e. glucose (pp. 9 spec)

9. The beverage according to Claim 8, wherein the oligosaccharide is oligofructose.

10. The beverage according to Claim 8, wherein the oligosaccharide is inulin.

n. ? inclusion is needed
important, & also from the
a. should depend
from aim 9?
or "further
consequence" ?

11. The beverage according to Claim 11, wherein said peptide sweetener is aspartame.

12. The beverage according to Claim 1, wherein the beverage contains both acesulfame K and aspartame.

13. The beverage according to Claim 13 wherein the ratio of aspartame to acesulfame K is from about 1:2 to about 10:1.

14. An acidified beverage with stabilized sweeteners and extended shelf life comprising:

(a) water;

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- (b) a flavor component selected from the group consisting of tea flavor and cola flavor;
- (c) an edible acid component present in an amount operable to maintain the pH of the beverage in the range of from about 3 to about 4;
- (d) a peptide high intensity sweetener;
- (e) a soluble non-digestible oligosaccharide selected from the group consisting of inulins and fructans, said inulins and fructans having a caloric value of less than about 5 Kcal/g.

15. The beverage according to Claim 14, wherein said oligosaccharide is oligofructose.

white inulin is a mix of oligofructose and fructose. Now = the oligofructose. This is a mix of inulin and fructose.

16. The beverage according to Claim 15, wherein said peptide high intensity sweetener is aspartame.

17. The beverage according to Claim 15, wherein said high intensity sweetener composition is acesulfame K.

1/2 in (cells) extracted from leaves (+ a peptide w/ a low contrast).

18. The beverage according to Claim 15, wherein said high intensity sweetener composition is aspartame and acesulfame K.

19. The beverage according to Claim 18, wherein the weight ratio of aspartame to acesulfame K is from about 1:2 to about 10:1.

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20. The beverage according to Claim 1, wherein said soluble oligosaccharide undergoes significant hydrolysis by about 0.5-50 per cent by weight of said oligosaccharide within about four (4) weeks at ambient conditions within the pH range of 3 to 4 and the hydrolyzed units of which contribute stabilized sweetness to said beverage over time.

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
2	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	186	188	190	192	194	196	198	200
3	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87	90	93	96	99	102	105	108	111	114	117	120	123	126	129	132	135	138	141	144	147	150	153	156	159	162	165	168	171	174	177	180	183	186	189	192	195	198	201	204	207	210	213	216	219	222	225	228	231	234	237	240	243	246	249	252	255	258	261	264	267	270	273	276	279	282	285	288	291	294	297	300
4	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140	144	148	152	156	160	164	168	172	176	180	184	188	192	196	200	204	208	212	216	220	224	228	232	236	240	244	248	252	256	260	264	268	272	276	280	284	288	292	296	300																									
5	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300																																								
6	6	12	18	24	30	36	42	48	54	60	6																																																																																									